	Application No.	Applicant(s)
	10/690,891	BROWN ET AL.
Notice of Allowability	Examiner	Art Unit
	Stuart W. Snyder	1648
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	rears on the cover sheet with 5 (OR REMAINS) CLOSED in the 6) or other appropriate communi RIGHTS. This application is sub	the correspondence address nis application. If not included cation will be mailed in due course. THIS
1. This communication is responsive to <u>Restriction/Election</u> is	Response (1/21/2007).	
2. The allowed claim(s) is/are <u>1-15</u> .		
 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents hav 2. Certified copies of the priority documents hav 	e been received.	•
Copies of the certified copies of the priority do	• • • • • • • • • • • • • • • • • • • •	
International Bureau (PCT Rule 17.2(a)).		The state of the s
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDON! THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subn	MENT of this application.	
INFORMAL PATENT APPLICATION (PTO-152) which give		
5. \square CORRECTED DRAWINGS (as "replacement sheets") mu		
(a) I including changes required by the Notice of Draftsper	·	PTO-948) attached
1) hereto or 2) to Paper No./Mail Date	=	
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in		
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 	osit of BIOLOGICAL MATER FOR THE DEPOSIT OF BIOLO	IAL must be submitted. Note the DGICAL MATERIAL.
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Infor	mal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Sum	mary (PTO-413).
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Ma 7. ⊠ Examiner's An	ail Date nendment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🔀 Examiner's Sta	atement of Reasons for Allowance
	9.	

DETAILED ACTION

New Examiner

 The Examiner and/or Art Unit location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Examiner Stuart W. Snyder, PhD, Group Art Unit 1648.

Election/Restrictions

2. Applicant's election of Group III, species GGTI-286 in the reply filed on 1/21/2007 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).
Claims 1, 4-6 and 9-10 are subject of examination; claims 2-3, 7-8 and 11-15 are withdrawn from examination pending examination of Group III, species GGTI-286.

Allowable Subject Matter

3. Claims 1, 4-6 and 9-10 are allowable (see statement of allowability below). The restriction requirement amongst Groups I-IV, as set forth in the Office action mailed on 1/16/2007, has been reconsidered in view of the allowability of claims to the elected invention pursuant to MPEP § 821.04(a). The restriction requirement is hereby withdrawn as to any claim that requires all the limitations of an allowable claim. Claims 2-3, 6-8 and 11-15, directed to species of the generic method of claim 1 are no longer withdrawn from

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consideration because the claim(s) requires all the limitations of an allowable claim.

In view of the above noted withdrawal of the restriction requirement, applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Once a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

- 4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
 - Claim 1. A method for reducing permissiveness of human cells to replication of a human pathogenic Flaviviridae virus predetermined (i) to lack any Cterminal CXXX box; (ii) to lack prenylated viral protein, and (iii) to be replication-dependent on host protein prenylation, the method comprising steps:
 - (a) Contacting human cells subject to infection by the virus with an effective amount of a selective inhibitor of a prenylation enzyme of the

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replication of the virus.

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cells, wherein the enzyme is selected from the group consisting of an HMG CoA reductase and a prenyltransferase; and

(b) confirming a resultant reduction in permissiveness of the cells to

Claim 3. The method of claim 1, wherein the enzyme is HMG CoA reductase and the inhibitor is selected from the group consisting of: atorvastatin, pravastatin, lovastatin, simvastatin, fluvastatin, and rosuvastatin calcium.

Authorization for this examiner's amendment was given in a telephone interview with Richard Aron Osman, JD, PhD (Reg. No 36,627) on 3/8/2007.

5. The following is an examiner's statement of reasons for allowance: Claims 1-15, as amended, are free of and are not fairly suggested by art at the time of the invention. The claimed invention allows a novel approach to anti-viral therapy, especially in the field of anti-HCV therapy. The closest reports of similar discoveries, cited in Applicants' specification, involve viral proteins that are prenylated (see Specification, pages 2-3) from genetically unrelated viruses. Another report not cited by Applicants, involves genome-wide analysis of genes and gene clusters that are modified during the course and as a result of HCV infection (see Su, et al. 2001). Although the authors demonstrate in vitro modulation of cellular fatty acid metabolism and reduction of HCV synthesis in response to certain small molecules known to interfere with fatty acid

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metabolism, there is no suggestion of interfering with the specified enzymes of the present invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stuart W. Snyder whose telephone number is (571) 272-9945. The examiner can normally be reached on 9:00 AM-5:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bruce R. Campell can be reached on (571) 272-0974. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Stuart W Snyder Examiner Art Unit 1648

SWS

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